

**SURVIVAL EQUIPMENT**

**(C-130)**

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1. **Objective.** As prescribed in AFI 38-201, *Determining Manpower Requirements*, this Air National Guard Manpower Standard (ANGMS) quantifies the full-time manpower required to accomplish the tasks described in the work center description for varying levels of workload volume.
  2. **Authority.** The AFI 21-series of Air Force (AF) and/or Air National Guard (ANG) directives contain US Air Force and Command policy and procedural guidance for the Survival Equipment work center. This manpower standard was developed using the functional review process under procedures outlined in AFPAM 38-208V1, *Air Force Management Engineering Program (MEP) Processes*, formerly AFR 25-5.
  3. **Applicability.** This standard applies to all Air National Guard airlift units except the 123rd Airlift Wing; the 109th, 139th, and the 189th Airlift Groups; the 106th, 129th, and 210th Rescue Groups; the 176th Composite Group; and the 193rd Special Operations Group. This standard only applies to peacetime operations.
  4. **Standard Data:**
    - a. Classification. Type II.
    - b. Approval Date. 9 July 1992.
    - c. Man-hour Data Source. Operational Audit method (historical record and technical estimate techniques).
    - d. Standard Man-hour Equation.  $Y = 15.85 + 50.33X$ .
    - e. Workload Factor:
      - (1). Title. A C-130 Aircraft Authorized.
      - (2). Definition. The average monthly C-130 aircraft authorized.
      - (3). Source. USAF Program Document, Volume II, maintained by NGB/FM.
  5. **Application Instructions:**
    - a. The valid man-hour range for this ANGMS is 295.02 through 906.95.
    - b. This ANGMS is appropriate for use with all peacetime civilian man-hour availability factors.
    - c. Refer to the appropriate column in the standard manpower table at attachment 2 to determine the skill distribution.
    - d. Should the extrapolation limits be exceeded, see AFI 38-201, *Determining Manpower Requirements*, for guidance.
  6. **Statement of Conditions:**
    - a. There were no general conditions (environmental, equipment, or facility) which had an impact on the development or application of this manpower standard.
    - b. There were no approved enhancements that impacted the man-hour equation for this work center.

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**2 Attachments**  
1. Work Center Description  
2. Standard Manpower

**WORK CENTER DESCRIPTION****Survival Equipment  
(C-130)****DIRECT:****1. AIRCREW RECOVERY PARACHUTE MAINTENANCE:**

**1.1. PERFORMS 120-DAY PARACHUTE SYSTEM INSPECTION.** Unpacks, inspects, repacks parachute component, and completes documentation.

**1.2. PERFORMS PERSONNEL PARACHUTE SYSTEM REPAIR.** Unpacks, repairs component, repacks, and completes documentation.

**1.2.1. REPAIRS CANOPY SECTION.**

**1.2.2. REPAIRS SUSPENSION LINE.**

**1.2.3. REPAIRS GROMMET, SNAP, STRAP, AND CONE.**

**1.2.4. REPAIRS CONTAINER.**

**2. DROP/CARGO EXTRACTION/WIND DETERMINATION PARACHUTE MAINTENANCE:**

**2.1. PERFORMS DROP/CARGO EXTRACTION/WIND DETERMINATION PARACHUTE INSPECTION.** Performs inspection for external defects and completes documentation.

**2.2. PERFORMS DROP/CARGO EXTRACTION/WIND DETERMINATION PARACHUTE REPAIR.** Unpacks, repairs component, repacks, and completes documentation.

**3. RUBBER PRODUCT MAINTENANCE:**

**3.1. PERFORMS INSPECTION ON RUBBER PRODUCT.** Unpacks, performs inspection, repacks, and completes documentation.

**3.1.1. INSPECTS LIFE PRESERVER.**

**3.1.2. INSPECTS LIFE RAFT.**

**3.1.3. PERFORMS INSPECTION ON ANTI-EXPOSURE SUIT/MA-1 SURVIVAL KIT.**

**3.1.4. PERFORMS INSPECTION ON CHEMICAL WARFARE AND CHEMICAL SPILL RUBBER ITEM.**

**3.2. PERFORMS RUBBER PRODUCT REPAIR.** Unpacks, performs repair, repacks, and completes documentation.

**3.2.1. REPAIRS LIFE PRESERVER.**

**3.2.2. REPAIRS 20-MAN LIFE RAFT.**

**3.2.3. REPAIRS ANTI-EXPOSURE SUIT/MA-1 SURVIVAL KIT.**

**3.2.4. REPAIRS CHEMICAL WARFARE AND CHEMICAL SPILL RUBBER ITEM.**

**3.2.5. REPLACES BLADDER ON LIFE VEST.**

**4. EQUIPMENT CONDEMNATION.** Performs condemnation of unserviceable equipment and completes documentation.

**5. FABRIC OR LEATHER PRODUCT MAINTENANCE:**

**5.1. PERFORMS SCHEDULED FABRIC OR LEATHER WORK.** Performs fabric or leather work to include tearing down, measuring, developing pattern, researching stock number, ordering, storing, cutting, and fitting material.

**5.2. PERFORMS UNSCHEDULED FABRIC OR LEATHER WORK.** Performs fabric or leather work to include tearing down, measuring, developing pattern, researching stock number, ordering, storing, cutting, and fitting material.

**5.3. PERFORMS FABRIC OR LEATHER SERVICE ON NONAIRCRAFT EQUIPMENT.** Repairs or fabricates new item including tearing down, measuring, developing pattern, designing, researching stock number, ordering, storing, cutting, and fitting material.

**5.4. MAINTAINS ORGANIZATIONAL FLIGHT CLOTHING.** Maintains organizational clothing to include repair and sewing of squadron patch, name tag, reflective tape, and zipper.

**5.5. PERFORMS MAINTENANCE ON AIRCREW FLIGHT EQUIPMENT.** Performs repair on aircrew flight equipment to include survival vest and restraint equipment.

**5.5.1. PERFORMS MAINTENANCE ON SURVIVAL VEST.**

**5.5.2. PERFORMS MAINTENANCE ON SHOULDER HARNESS.**

**5.5.3. PERFORMS MAINTENANCE ON LAP BELT.**

**5.5.4. PERFORMS MAINTENANCE ON RESTRAINT HARNESS.**

**5.6. INSPECTS AND REPAIRS HCU15C CARGO NET.** Unpacks, inspects, repairs, repacks, and completes documentation.

**5.7. INSTALLS DUCT AND MOISTURE EXCLUDING PATCH ON AIRCRAFT.** Prepares aircraft skin, cuts patch, applies adhesive, installs patch, and covers patch with aircraft dope.

**6. TIME COMPLIANCE TECHNICAL ORDER (TCTO).** Performs TCTO, operational check, and completes documentation.

**7. UNIT TRAINING ASSEMBLY (UTA), MOBILITY REQUIREMENT, AND BATTLE DAMAGE PROGRAM.** Performs planning and scheduling tasks associated with preparation for UTA weekend, mobility requirement, and the Battle Damage Program.

**INDIRECT:** Indirect work involves those tasks that are not readily identifiable with the work center's specific product or service. The major categories of standard indirect work are Supervision, Administration, Meeting, Training, Supply, Equipment Maintenance, and Cleanup. See AFMS 00AA for the standard indirect description.

STANDARD MANPOWER TABLE											
WORK CENTER/FAC				APPLICABILITY MAN-HOUR RANGE							
Survival Equipment/23150B				295.02 - 906.95							
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
Fabrication & Parachute	458X3	Civ	2	3	4	5					
TOTAL			2	3	4	5					
AIR FORCE SPECIALTY TITLE	AFSC	GRADE	MANPOWER REQUIREMENT								
TOTAL											